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Inventors (please provide full	l names):					
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PTO-1590 (1-2000)

5/9/1 DIALOG(R) File 345: Inpado am.& Legal Stat (c) 2000 EPO. All rts. reserv. 13337353 Basic Patent (No, Kind, Date): US 5572639 A 19961105 < No. of Patents: 002> PATENT FAMILY: UNITED STATES OF AMERICA (US) Patent (No, Kind, Date): US 5572639 A 19961105 METHOD AND APPARATUS FOR INTERACTIVELY MANIPULATING AND DISPLAYING PRESUMPTIVE RELATIONSHIPS BETWEEN GRAPHIC OBJECTS Method and apparatus for interactively manipulating and displaying presumptive relationships between graphic objects (English) Patent Assignee: GANTT BRIAN D (US) Author (Inventor): GANTT BRIAN D (US) Priority (No, Kind, Date): US 436158 A 19950508 Applic (No, Kind, Date): US 436158 A 19950508 National Class: * 395133000; 395137000; 395138000; 395326000 IPC: * G06T-003/00 Language of Document: English Patent (No, Kind, Date): US 6016147 A 20000118 METHOD AND SYSTEM FOR INTERACTIVELY DETERMINING AND DISPLAYING GEOMETRIC RELATIONSHIPS BETWEEN THREE DIMENSIONAL OBJECTS BASED ON PREDETERMINED GEOMETRIC CONSTRAINTS AND POSITION OF AN INPUT DEVICE (English) Patent Assignee: AUTODESK INC (US) Author (Inventor): GANTT BRIAN D (US) Priority (No, Kind, Date): US 744241 A 19961105; US 436158 A2 19950508 Applic (No, Kind, Date): US 744241 A 19961105 Addnl Info: 5572639 Patented National Class: * 345420000; 345419000 IPC: * G06T-015/70 Derwent WPI Acc No: * G 2000-159963; G 2000-159963 Language of Document: English UNITED STATES OF AMERICA (US) Legal Status (No, Type, Date, Code, Text): US 5572639 Р 19950508 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 436158 A 19950508 19961105 US 5572639 Р US A PATENT Ρ US 5572639 19971028 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST ASHLAR INCORPORATED 1290 OAK MEAD PARKWAY, SUITE 218 SUNNYVALE, CALIFORNIA 94086; GANTT, BRIAN D.: 19970924 US 5572639 19971028 US AS99 OTHER ASSIGNMENTS GANTT, BRIAN D. 8710 BRODIE LANE AUSTIN, TEXAS 78745; REVEILLE SYSTEMS INC. : 19970924 OTHER CASES: NONE; SECURITY ASSIGNMENT OF ASSIGNOR'S US 5572639 19981014 US AS02 INTEREST AUTODESK, INC. SAN RAFAEL, CALIFORNIA; ASHLAR INCORPORATED: 19980915 US 5572639 19981229 US RF REISSUE APPLICATION FILED (REISSUE APPL. FILED) 981104 US 5572639 Ρ 19990601 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST REVEILLE SYSTEMS, INC. AUSTIN, TEXAS; ASHLAR INCORPORATED SANTA CLARA, CALIFORNI ;

: 19980915 US 6016147 P 19950508 US AA PRIORITY US 436158 A2 19950508

CONTRERAS, ALFREDO : 19980915; REVEILLE

SYSTEMS, INC.: 19980915; ASHLAR INCORPORATED

US 6016147 P 61105 US AE APPLICATION ATA (PATENT) (APPL. DATA (PATENT))

US 744241 A 19961105

US 6016147 P 20000118 US A PATENT

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LETTY: PATENT
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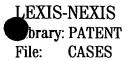
Nov. 5, 1996

Method and apparatus for interactively manipulating and displaying presumptive relationships between graphic objects

REISSUE: Reissue Application filed Nov. 4, 1998 (O.G. Dec. 29, 1998) Ex. Gp.: 2772; Re. S.N. 09/186,270

CORE TERMS: graphic, vector, cursor, alignment, cling, floating, geometric, tolerance, computer, proximity...

5,572,639 OR 5572639



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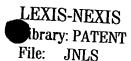
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1/3 LGST (1/1) - (C) LEGSTAT PN - US 5572639 [US5572639] AP - US 436158/95 19950508 [1995US-0436158] DT - US-P ACT - 19950508 US/AE-A APPLICATION DATA (PATENT) {US 436158/95 19950508 [1995US-0436158]} - 19961105 US/A PATENT - 19971028 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST ASHLAR INCORPORATED 1290 OAK MEAD PARKWAY, SUITE 218 SUNNYVALE, CALIFORNIA 94086 * GANTT, BRIAN D. : 19970924 - 19971028 US/AS99 OTHER ASSIGNMENTS GANTT, BRIAN D. 8710 BRODIE LANE AUSTIN, TEXAS 78745 * REVEILLE SYSTEMS INC.: 19970924 OTHER CASES: NONE; SECURITY - 19981014 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST AUTODESK, INC. SAN RAFAEL, CALIFORNIA * ASHLAR INCORPORATED : 19980915 - 19981229 US/RF REISSUE APPLICATION FILED 981104 - 19990601 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST REVEILLE SYSTEMS, INC. AUSTIN, TEXAS; ASHLAR INCORPORATED SANTA CLARA, CALIFORNI * CONTRERAS, ALFREDO : 19980915; REVEILLE SYSTEMS, INC. : 19980915; ASHLAR INCORPORATED : 19980915 UP - 2000-08 2/3 CRXX (1/1) - (C) CLAIMS/RRX AN - 2780002 - 5,572,639 A 19961105 [US5572639] ΡN PΑ - Gantt, Brian D - E (Electrical) PTACT - 19971028 REASSIGNED ASSIGNMENT OF ASSIGNOR'S INTEREST Assignor: ASHLAR INCORPORATED DATE SIGNED: 09/24/1997 Assignee: REVEILLE SYSTEMS, INC. 8710 BRODIE LANE AUSTIN, TRAVIS COUNTY, TEXAS 78745 Reel 008761/Frame 0581 Contact: CUSHMAN DARBY & CUSHMAN MARK J. DANIELSON 1100 NEW YORK AVENUE, N.W. NINTH FLOOR, EAST TOWER WASHINGTON, D.C. 20005-3918 - 19971028 REASSIGNED

ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: GANTT, BRIAN D. DATE SIGNED: 09/24/1997

Assignee: ASHLAR INCORPORATED 1290 OAK MEAD PARKWAY, SUITE 218 SUNNYVALE, CALIFORNIA 94086

Reel 008761/Frame 0584

Contact: CUSHMAN DARBY & CUSHMAN MARK J. DANIELSON 1100 NEW YORK AVENUE, N.W. NINTH FLOOR, EAST TOWER WASHINGTON. D.C. 20005-3918

- 19971028 REASSIGNED SECURITY

Assignor: REVEILLE SYSTEMS INC. DATE SIGNED: 09/24/1997

Assignee: GANTT, BRIAN D. 8710 BRODIE LANE AUSTIN, TEXAS 78745

Reel 008761/Frame 0594

Contact: CUSHMAN DARBY & CUSHMAN MARK J. DANIELSON 1100 NEW YORK AVENUE, N.W. NINTH FLOOR, EAST TOWER WASHINGTON, DC 20005-3918

- 19981014 REASSIGNED ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: ASHLAR INCORPORATED DATE SIGNED: 09/15/1998

Assignee: AUTODESK, INC. SAN RAFAEL, CALIFORNIA

Reel 009516/Frame 0307

Contact: GATES & COOPER GEORGE H. GATES 6701 CENTER DRIVE WEST, SUIT

1050 LOS ANGELES, CA 90045

- 19981014 REASSIGNED ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: GANTT, BRIAN D. DATE SIGNED: 09/15/1998

Assignee: REVEILLE SYSTEMS, INC. AUSTIN, TEXAS

Reel 009516/Frame 0297

Contact: GATES & COOPER GEORGE H. GATES 6701 CENTER DRIVE WEST, SUITE

1050 LOS ANGELES, CA 90045

- 19981014 REASSIGNED ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: REVEILLE SYSTEMS, INC. DATE SIGNED: 09/15/1998

Assignee: ASHLAR INCORPORATED SANTA CLARA, CALIFORNIA

Reel 009516/Frame 0295

Contact: GATES & COOPER GEORGE H. GATES 6701 CENTER DRIVE WEST, SUITE

1050 LOS ANGELES, CALIFORNIA 90045

- 19981104 REISSUE REQUESTED
Issue Date of O.G.: 19981229
Reissue Request Number: 09/186270
Examination Group responsible for Reissue process: 2772

- 19990601 REASSIGNED ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: CONTRERAS, ALFREDO DATE SIGNED: 09/15/1998 REVEILLE SYSTEMS, INC. DATE SIGNED: 09/15/1998 ASHLAR INCORPORATED DATE SIGNED: 09/15/1998

Assignee: REVEILLE SYSTEMS, INC. AUSTIN, TEXAS ASHLAR INCORPORATED SANTA CLARA, CALIFORNIA AUTODESK, INC. SAN RAFAEL, CALIFORNIA

Reel 009987/Frame 0093

Contact: GATES & COOPER GEORGE H. GATES 6701 CENTER DRIVE WEST, SUITE 1050 LOS ANGELES, CA 90045

UP - 1999-00 URAS- 1999-12-07

3/3 PAST (1/1) - (C) PAST

AN - 199852-001303

PN - 5572639 A [US5572639]

DT - A (UTILITY) OG - 1998-12-29 CO - REA

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